

Materials List for

# Evaluation of Caspase Activation to Assess Innate Immune Cell Death

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## Materials

Name	Company	Catalog Number	Comments
0.45 µm filter	Millipore	SCHVU05RE	
10 mL syringe	BD Biosciences	309604	
12% polyacrylamide gel with 10 wells	Bio-Rad	4561043	
12-well plate	Corning	07-200-82	
18 G needle	BD Biosciences	305195	
25 G needle	BD Biosciences	305122	
50 mL tube	Fisher Scientific	50-809-218	
70 µm cell strainer	Corning	431751	
150 mm tissue culture dishes	Corning	430597	
182-cm <sup>2</sup> tissue culture flask	Genesee Scientific	25-211	
Accessory white trans tray	Cytiva	29-0834-18	
Anti-caspase-1 antibody	AdipoGen	AG-20B-0042-C100	
Anti-caspase-11 antibody	Novus Biologicals	NB120-10454	
Anti-caspase-3 antibody	Cell Signaling Technology	9662	
Anti-caspase-7 antibody	Cell Signaling Technology	9492	
Anti-caspase-8 antibody	Cell Signaling Technology	4927	
Anti-caspase-9 antibody	Cell Signaling Technology	9504	
Anti-cleaved caspase-3 antibody	Cell Signaling Technology	9661	
Anti-cleaved caspase-7 antibody	Cell Signaling Technology	9491	
Anti-cleaved caspase-8 antibody	Cell Signaling Technology	8592	
Anti-mouse HRP-conjugated secondary antibody	Jackson ImmunoResearch Laboratories	315-035-047	
Anti-rabbit HRP-conjugated secondary antibody	Jackson ImmunoResearch Laboratories	111-035-047	
Anti-rat HRP-conjugated secondary antibody	Jackson ImmunoResearch Laboratories	112-035-003	
Anti-β-Actin antibody (C4) HRP	Santa Cruz	sc-47778 HRP	
ATP	InvivoGen	tirl-atpl	

BBL Trypticase Soy Broth	BD Biosciences	211768	
Bead bath	Chemglass Life Sciences	CLS-4598-009	
Biophotometer D30	Eppendorf	6133000010	
BME	Sigma	M6250	
Bromophenol blue	Sigma	BO126	
Cell scrapers	CellTreat Scientific Products	229315	
Chemiluminescence imager (Amersham 600)	Cytiva	29083461	
CO <sub>2</sub> chamber	VetEquip	901703	
Cuvettes	Fisher Scientific	14-955-129	
Dissecting scissors	Thermo Fisher Scientific	221S	
DMEM	Thermo Fisher Scientific	11995-073	
DTT	Sigma	43815	
Electrophoresis apparatus	Bio-Rad	1658004	
Ethanol	Pharmco	111000200	
Fetal bovine serum	Biowest	S1620	
Filter paper	Bio-Rad	1703965	
Forceps	Fisher Scientific	22-327379	
Francisella novicida (U112 strain)	BEI Resources	NR-13	
Gel releaser	Bio-Rad	1653320	
Gentamycin	Gibco	15750060	
Glycerol	Sigma	G7893	
Glycine	Sigma	G8898	
HCl	Sigma	H9892	
Heat block	Fisher Scientific	23-043-160	
Herpes simplex virus 1 (HF strain)	ATCC	VR-260	
High glucose DMEM	Sigma	D6171	
Human anti-caspase-1 antibody	R&D Systems	MAB6215	
Human anti-caspase-8 antibody	Enzo	ALX-804-242	
Humidified incubator	Thermo Fisher Scientific	51026282	
Image analysis software	ImageJ	v1.53a	
IMDM	Thermo Fisher Scientific	12440-053	
Influenza A virus (A/Puerto Rico/8/34, H1N1 [PR8])	constructed per Hoffmann et al.		
L929 cells	ATCC	CCL-1	cell line for creating L929-conditioned media
L-cysteine	Thermo Fisher Scientific	BP376-100	
Luminata Forte Western HRP substrate	Millipore	WBLUF0500	standard-sensitivity HRP substrate
MDCK cells	ATCC	CCL-34	cell line for determining IAV viral titer
Methanol	Sigma	322415	
Microcentrifuge	Thermo Fisher Scientific	75002401	
Non-essential amino acids	Gibco	11140050	
Nonfat dried milk powder	Kroger		
NP-40 solution	Sigma	492016	
PBS	Thermo Fisher Scientific	10010023	
Penicillin and streptomycin	Sigma	P4333	
Petri dish	Fisher Scientific	07-202-011	
PhosSTOP	Roche	PHOSS-RO	

Power source	Bio-Rad	164-5052	
Protease inhibitor tablet	Sigma	S8820	
PVDF membrane	Millipore	IPVH00010	
Rocking shaker	Labnet	S2035-E	
SDS	Sigma	L3771	
Sodium chloride	Sigma	S9888	
Sodium deoxycholate	Sigma	30970	
Sodium hydroxide	Sigma	72068	
Sodium pyruvate	Gibco	11360-070	
Square Petri dish	Fisher Scientific	FB0875711A	
Stripping buffer	Thermo Fisher Scientific	21059	
Super Signal Femto HRP substrate	Thermo Fisher Scientific	34580	high-sensitivity HRP substrate
Tabletop centrifuge	Thermo Fisher Scientific	75004524	
Trans-Blot semi-dry system	Bio-Rad	170-3940	
Tris	Sigma	TRIS-RO	
Tween 20	Sigma	P1379	
Ultrapure lipopolysaccharide (LPS) from E. coli 0111:B4	InvivoGen	tlrl-3pelps	
Vero cells	ATCC	CCL-81	cell line for determining HSV1 viral titer